



SEQUENCE LISTING

<110> Merr, John C.
Coonrod, Scott A.

<120> EGG-SURFACE PROTEINS AND METHODS OF THEIR USE FOR MODULATING FERTILITY

<130> 9426-004-999

<140> 09/720,262

<141> 2001-03-26

<150> 60/089,950

<151> 1998-06-19

<160> 6

<170> PatentIn version 3.0

<210> 1

<211> 1315

<212> DNA

<213> Homo sapiens

<400> 1

gaggcggtg	cctgctgctc	tgcagggtacc	atggagctga	gctataggct	cttcacatctgc	60
ctcctgctct	ggggtagtag	tgagctgtgc	tacccccaac	ccctctggct	cttgcagggt	120
ggagccagcc	atcctgagac	gtccgtacag	cccgtagctg	tggagtgtca	ggaggccact	180
ctgatggtca	tggtcagcaa	agaccttttt	ggcacccgga	agctcatcag	ggctgctgac	240
ctcaccttgg	gcccagaggc	ctgtgagcct	ctggctctcca	tggacacaga	agatgtggtc	300
aggtttgagg	ttggactcca	cgagtgtggc	aacagcatgc	aggtaactga	cgatgccctg	360
gtgtacagca	ccttcctgct	ccatgacccc	cgccccgtgg	gaaacctgtc	catcgtgagg	420
actaaccgcg	cagagattcc	catcgagtgc	cgctacccca	ggcagggcaa	tgtgagcagc	480
caggccatcc	tgcccacctg	gttgcccttc	aggaccacgg	tgttctcaga	ggagaagctg	540
actttctctc	tgcgtctgat	ggaggagaac	tggaaacgtg	agaagaggtc	ccccaccttc	600
cacctgggag	atgcagccca	cctccaggca	gaaatccaca	ctggcagcca	cgtgccactg	660
cggttggttg	tggaccactg	cgtggccaca	ccgacaccag	accagaatgc	ctccccttat	720
cacaccatcg	tggacttcca	tggtctgtct	gtcgacggtc	tactgatgct	ctcttctgca	780
ttcaaagttc	ctcgaccocg	gccagataca	ctccagttca	cagtggatgt	cttccacttt	840
gctaatagct	ccagaaacat	gatatacatc	acctgccacc	tgaagggtcac	cctagctgag	900
caggaccacg	atgaactcaa	caaggcctgt	tccttcagca	agccttccaa	cagctgggttc	960
ccagtggaa	gcccggctga	catctgtcaa	tgctgtaaca	aagggtgact	tggcactcca	1020
agccattcca	ggaggcagcc	tcatgtcatg	agccagtggg	ccacgtctgc	ttcccgtaac	1080
cgcaggcatg	tgacagaaga	agcagatgtc	accgtggggg	ccactgatct	tcttggacag	1140
gagtgggtgac	catgaagtag	agcagtgggc	tttgcccttc	gacacctcag	tgggtgctgct	1200
gggcgtaggc	ctggctgtgg	tgggtgtccct	gactctgact	gctgttatcc	tgggtctcac	1260
caggaggtgt	cgcactgcct	cccacctgtg	gtctgcttcc	gaataaaaaga	agaaa	1315

<210> 2

<211> 372

<212> PRT

<213> Homo sapiens

<400> 2

Met	Glu	Leu	Ser	Tyr	Arg	Leu	Phe	Ile	Cys	Leu	Leu	Leu	Trp	Gly	Ser
1				5					10					15	
Thr	Glu	Leu	Cys	Tyr	Pro	Gln	Pro	Leu	Trp	Leu	Leu	Gln	Gly	Ala	
			20					25					30		
Ser	His	Pro	Glu	Thr	Ser	Val	Gln	Pro	Val	Leu	Val	Glu	Cys	Gln	Glu
		35					40					45			

Ala	Thr	Leu	Met	Val	Met	Val	Ser	Lys	Asp	Leu	Phe	Gly	Thr	Gly	Lys
50						55					60				
Leu	Ile	Arg	Ala	Ala	Asp	Leu	Thr	Gly	Gly	Pro	Glu	Ala	Cys	Glu	Pro
65					70					75					80
Leu	Val	Ser	Met	Asp	Thr	Glu	Asp	Val	Val	Arg	Phe	Glu	Val	Gly	Leu
			85						90					95	
His	Glu	Cys	Gly	Asn	Ser	Met	Gln	Val	Thr	Asp	Asp	Ala	Leu	Val	Tyr
			100					105					110		
Ser	Thr	Phe	Leu	Leu	His	Asp	Pro	Arg	Pro	Val	Gly	Asn	Leu	Ser	Ile
		115					120					125			
Val	Arg	Thr	Asn	Arg	Ala	Glu	Ile	Pro	Ile	Glu	Cys	Arg	Tyr	Pro	Arg
	130					135					140				
Gln	Gly	Asn	Val	Ser	Ser	Gln	Ala	Ile	Leu	Pro	Thr	Trp	Leu	Pro	Phe
145					150					155					160
Arg	Thr	Thr	Val	Phe	Ser	Glu	Glu	Lys	Leu	Thr	Phe	Ser	Leu	Arg	Leu
			165						170					175	
Met	Glu	Glu	Asn	Trp	Asn	Ala	Glu	Lys	Arg	Ser	Pro	Thr	Phe	His	Leu
			180					185					190		
Gly	Asp	Ala	Ala	His	Leu	Gln	Ala	Glu	Ile	His	Thr	Gly	Ser	His	Val
	195						200					205			
Pro	Leu	Arg	Leu	Phe	Val	Asp	His	Cys	Val	Ala	Thr	Pro	Thr	Pro	Asp
	210					215					220				
Gln	Asn	Ala	Ser	Pro	Tyr	His	Thr	Ile	Val	Asp	Phe	His	Gly	Cys	Leu
225					230					235					240
Val	Asp	Gly	Leu	Thr	Asp	Ala	Ser	Ser	Ala	Phe	Lys	Val	Pro	Arg	Pro
			245						250					255	
Gly	Pro	Asp	Thr	Leu	Gln	Phe	Thr	Val	Asp	Val	Phe	His	Phe	Ala	Asn
			260					265					270		
Asp	Ser	Arg	Asn	Met	Ile	Tyr	Ile	Thr	Cys	His	Leu	Lys	Val	Thr	Leu
		275					280					285			
Ala	Glu	Gln	Asp	Pro	Asp	Glu	Leu	Asn	Lys	Ala	Cys	Ser	Phe	Ser	Lys
	290					295					300				
Pro	Ser	Asn	Ser	Trp	Phe	Pro	Val	Glu	Gly	Pro	Ala	Asp	Ile	Cys	Gln
305					310					315					320
Cys	Cys	Asn	Lys	Gly	Asp	Cys	Gly	Thr	Pro	Ser	His	Ser	Arg	Arg	Gln
			325						330					335	
Pro	His	Val	Met	Ser	Gln	Trp	Ser	Thr	Ser	Ala	Ser	Arg	Asn	Arg	Arg
			340					345					350		
His	Val	Thr	Glu	Glu	Ala	Asp	Val	Thr	Val	Gly	Ala	Thr	Asp	Leu	Pro
		355					360					365			
Gly	Gln	Glu	Trp												
			370												

<210> 3
 <211> 4
 <212> PRT
 <213> Artificial

<220>
 <223> Description of Artificial Sequence: Protein Motif

<400> 3
 Lys Asp Glu Leu
 1

<210> 4
 <211> 7
 <212> PRT
 <213> Artificial

<220>
 <223> Description of Artificial Sequence: Protein Motif

<400> 4
 Ser Phe Ser Asp Phe Leu Lys
 1 5

<210> 5
 <211> 13
 <212> PRT
 <213> Artificial

<220>
 <221> SITE
 <222> 1, 2, 10, 11, 12
 <223> Xaa = Any Amino Acid

<220>
 <221> SITE
 <222> 3
 <223> Xaa = Ile or Leu

<220>
 <223> Description of Artificial Sequence: Protein Motif

<400> 5
 Xaa Xaa Xaa Pro Glu Ala Thr Thr Gly Xaa Xaa Xaa Lys
 1 5 10

<210> 6
 <211> 8
 <212> PRT
 <213> Artificial

<220>
 <221> SITE
 <222> 1, 2, 10, 11, 12
 <223> Xaa = Any Amino Acid

<220>
 <221> SITE
 <222> 4
 <223> Xaa = Ile or Leu

<220>
 <223> Description of Artificial Sequence: Protein Motif

<400> 6
 Xaa Xaa Ser Xaa Val Asn Ser Xaa
 1 5